

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 04/02/2015 10:04 AM
Cytometer Baseline: 10/20/2014 10:06 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 51739, **Expiration Date:** 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124565	-1	1.48	124376	1.42
Blue	F	SSC	125000	123893	-1	2.48	124832	2.19
Blue	E	FITC	17374	16881	-3	2.25	951	7.85
Blue	D	PE	22653	22117	-3	1.87	1000	7.29
Blue	B	PerCP-Cy5-5	64987	63677	-3	2.52	1680	11.71
Blue	A	PE-Cy7	74081	73358	-1	3.52	964	22.10
Red	C	APC	61430	60420	-2	2.46	3414	7.91
Red	A	APC-Cy7	88289	86748	-2	2.55	1713	7.69
Violet	B	V450	12535	12185	-3	3.34	754	7.41
Violet	A	V500	47468	47007	-1	3.04	2656	5.40

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20186	4.83	576	-3	N/A	N/A	Pass
Blue	F	SSC	62033	1.52	494	5	N/A	N/A	Pass
Blue	E	FITC	104	31.40	510	1	0.0325	55	Pass
Blue	D	PE	207	21.93	503	2	0.2038	107	Pass
Blue	B	PerCP-Cy5-5	207	35.09	582	2	0.0140	0	Pass
Blue	A	PE-Cy7	74	85.07	640	3	0.0189	7	Pass
Red	C	APC	320	25.14	571	1	0.0222	0	Pass
Red	A	APC-Cy7	108	36.31	548	2	0.0051	653	Pass
Violet	B	V450	80	38.55	457	8	0.0582	1885	Pass
Violet	A	V500	174	19.13	485	7	0.0171	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.22	-31.07	0.80
Blue	20.47	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.23
Red	17.27	13.07 - 19.61	N/A	N/A	31.62	31.97	1.11

Window Extension: 7.00
FSC Area Scaling Factor: 0.86

Threshold

Threshold (FSC): 14041

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments